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L14 and backbone	16

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L15

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<u>L15</u>	L14 and backbone	16	<u>L15</u>
<u>L14</u>	L13 and (water adj soluble)	16	<u>L14</u>
<u>L13</u>	L12 and (benzotriazolyl adj carbonate)	16	<u>L13</u>
<u>L12</u>	L11 and (glycerol or pentaerythritol)	349	<u>L12</u>
<u>L11</u>	L10 and (central adj core)	835	<u>L11</u>
<u>L10</u>	(polyethylene adj glycol) or (polyethylene adj oxide) or PEG	204709	<u>L10</u>
<u>L9</u>	L5 and (benzotriazolyl adj carbonate)	0	<u>L9</u>
<u>L8</u>	L6 and (water adj soluble)	3	<u>L8</u>
<u>L7</u>	L6	7	<u>L7</u>
<u>L6</u>	L5 and reacting and (di(1-benzotriazolyl) adj carbonate)	7	<u>L6</u>
<u>L5</u>	L4 and (terminal adj hydroxyl)	10	<u>L5</u>
<u>L4</u>	L3 and (glycerol or pentaerythritol)	299	<u>L4</u>
<u>L3</u>	(polyethylene adj glycol) and (central adj core)	513	<u>L3</u>
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<u>L1</u>	6362254.pn.	2	<u>L1</u>

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**Search Results - Record(s) 1 through 16 of 16 returned.**☐ 1. Document ID: US 20020182172 A1

L15: Entry 1 of 16

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182172

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020182172 A1

TITLE: Water-soluble polymer conjugates of triazine derivatives

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bentley, Michael David	Huntsville	AL	US	
Zhao, Xuan	Huntsville	AL	US	
Shorr, Robert	Edison	NJ	US	

US-CL-CURRENT: 424/78.36; 525/259, 525/54.2, 525/56, 528/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
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☐ 2. Document ID: US 20020099133 A1

L15: Entry 2 of 16

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099133

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099133 A1

TITLE: Method for the preparation of 1-benzotriazolyl carbonate esters of poly(ethylene glycol)

PUBLICATION-DATE: July 25, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 525/54.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

☐ 3. Document ID: US 20020086939 A1

L15: Entry 3 of 16

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086939  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020086939 A1

TITLE: Method for the preparation of 1-benzotriazolyl carbonate esters of poly(ethylene glycol)

PUBLICATION-DATE: July 4, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 525/61; 525/326.9, 525/328.2, 525/328.8, 525/375, 525/403, 525/538

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 4. Document ID: US 20020052430 A1

L15: Entry 4 of 16

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020052430  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020052430 A1

TITLE: Poly (ethylene glycol) derivatives with proximal reactive groups

PUBLICATION-DATE: May 2, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, J. Milton	Huntsville	AL	US	
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 523/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

☐ 5. Document ID: US 20020040076 A1

L15: Entry 5 of 16

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020040076  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020040076 A1

TITLE: Poly(ethylene glycol) derivatives with proximal reactive groups

PUBLICATION-DATE: April 4, 2002

## INVENTOR-INFORMATION:

*there is no method,  
so, there is no O&P*

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, J. Milton	Huntsville	AL	US	
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 523/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 6. Document ID: US 20020037949 A1

L15: Entry 6 of 16

File: PGPB

Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037949  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020037949 A1

TITLE: Poly(ethylene glycol) derivatives with proximal reactive groups

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Harris, J. Milton	Huntsville	AL	US	
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 523/406

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

does not claim a R → central core,  
nor the same formula in the backbone in claim 1

☐ 7. Document ID: US 20020002250 A1

L15: Entry 7 of 16

File: PGPB

Jan 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020002250  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020002250 A1

TITLE: Sterically hindered poly(ethylene glycol) alkanolic acids and derivatives thereof

PUBLICATION-DATE: January 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bentley, Michael David	Huntsville	AL	US	
Zhao, Xuan	Huntsville	AL	US	
Shen, Xiaoming	Madison	AL	US	
Guo, Lihong	Huntsville	AL	US	

US-CL-CURRENT: 525/418; 528/271, 528/370, 528/373, 528/425

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

☐ 8. Document ID: US 20010056171 A1

L15: Entry 8 of 16

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010056171

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010056171 A1

TITLE: Method for the preparation of 1-benzotriazolyl carbonate esters of poly(ethylene glycol)

PUBLICATION-DATE: December 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kozlowski, Antoni	Huntsville	AL	US	

US-CL-CURRENT: 528/196

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 9. Document ID: US 20010044526 A1

L15: Entry 9 of 16

File: PGPB

Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010044526

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010044526 A1

TITLE: N-maleimidyl polymer derivatives

PUBLICATION-DATE: November 22, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shen, Xiaoming	Madison	AL	US	

US-CL-CURRENT: 530/409; 424/450, 435/235.1, 435/325, 525/523, 527/300

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 10. Document ID: US 20010011115 A1

L15: Entry 10 of 16

File: PGPB

Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010011115

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010011115 A1

TITLE: POLY (ETHYLENE GLYCOL) DERIVATIVES WITH PROXIMAL REACTIVE GROUPS

PUBLICATION-DATE: August 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
HARRIS, J. MILTON	HUNTSVILLE	AL	US	
KOZLOWSKI, ANTONI	HUNTSVILLE	AL	US	

US-CL-CURRENT: 525/56; 523/406, 568/303, 568/377

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 11. Document ID: US 6541543 B2

L15: Entry 11 of 16

File: USPT

Apr 1, 2003

US-PAT-NO: 6541543

DOCUMENT-IDENTIFIER: US 6541543 B2

TITLE: Poly (ethylene glycol) derivatives with proximal reactive groups

DATE-ISSUED: April 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris; J. Milton	Huntsville	AL		
Kozlowski; Antoni	Huntsville	AL		

US-CL-CURRENT: 523/406; 525/303, 525/305, 525/377, 525/420, 525/56

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

☐ 12. Document ID: US 6495659 B2

L15: Entry 12 of 16

File: USPT

Dec 17, 2002

US-PAT-NO: 6495659

DOCUMENT-IDENTIFIER: US 6495659 B2

TITLE: Sterically hindered poly(ethylene glycol) alkanolic acids and derivatives thereof

DATE-ISSUED: December 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bentley; Michael David	Huntsville	AL		
Zhao; Xuan	Huntsville	AL		
Shen; Xiaoming	Madison	AL		
Guo; Lihong	Huntsville	AL		

US-CL-CURRENT: 528/425; 424/193.1, 424/194.1, 528/271

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 13. Document ID: US 6437025 B1

L15: Entry 13 of 16

File: USPT

Aug 20, 2002

US-PAT-NO: 6437025

DOCUMENT-IDENTIFIER: US 6437025 B1

TITLE: Poly(ethylene glycol) derivatives with proximal reactive groups

DATE-ISSUED: August 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris, J. Milton	Huntsville	AL		
Kozlowski, Antoni	Huntsville	AL		

US-CL-CURRENT: 523/406; 525/56, 568/303, 568/305, 568/377, 568/579, 568/583, 568/589,  
568/613, 568/618, 568/700, 568/704

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC

☐ 14. Document ID: US 6436386 B1

L15: Entry 14 of 16

File: USPT

Aug 20, 2002

US-PAT-NO: 6436386

DOCUMENT-IDENTIFIER: US 6436386 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Hydroxyapatite-targeting poly (ethylene glycol) and related polymers

DATE-ISSUED: August 20, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roberts, Michael James	Madison	AL		
Kozlowski, Antoni	Huntsville	AL		

US-CL-CURRENT: 424/78.17; 424/78.18, 424/78.31

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

does not disclose  
a benzotriazolyl carbonate  
a backbone, OR.

☐ 15. Document ID: US 6376604 B2

L15: Entry 15 of 16

File: USPT

Apr 23, 2002

US-PAT-NO: 6376604

DOCUMENT-IDENTIFIER: US 6376604 B2

TITLE: Method for the preparation of 1-benzotriazolylcarbonate esters of poly(ethylene glycol)

DATE-ISSUED: April 23, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kozlowski; Antoni	Huntsville	AL		

US-CL-CURRENT: 525/54.2; 523/406, 524/91, 525/409, 525/413, 528/94, 546/272.4, 548/257

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 16. Document ID: US 6362254 B1

L15: Entry 16 of 16

File: USPT

Mar 26, 2002

US-PAT-NO: 6362254

DOCUMENT-IDENTIFIER: US 6362254 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Poly(ethylene glycol) derivatives with proximal reactive groups

DATE-ISSUED: March 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harris; J. Milton	Huntsville	AL		
Kozlowski; Antoni	Huntsville	AL		

US-CL-CURRENT: 523/406; 525/56, 568/303, 568/305, 568/377, 568/420, 568/579, 568/583, 568/589, 568/606, 568/613, 568/618, 568/700, 568/704

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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